

Serial No.: 10/563,432

PD030073

Listing and Amendments to the Claims

Please rewrite claims 1, 3-5, and 7-8 as indicated. Please cancel claims 2 and 6.

1. (Currently Amended) A switched mode power supply having comprising
a transformer, which has having a primary winding and at least one secondary winding,
a first rectifier means coupled to said secondary winding for providing a rectified voltage,
having a switching transistor arranged in series with the said primary winding, and
a control circuit with a driver stage coupled to a control input of the switching transistor for controlling an output voltage, the control circuit containing comprising an oscillator which can be set via with a terminal, to which a first capacitor is coupled for determining the oscillation frequency of said oscillator, wherein the said terminal is further coupled via a resistor to said rectified voltage, for providing an additional charge current for said capacitor a secondary winding for increasing the oscillation frequency of the switch switched mode power supply oscillator during operation, with regard to the start-up phase.
2. (Cancelled).
3. (Currently Amended) The switched mode power supply as claimed in claim 2 1, wherein the said terminal is connected via a bandpass low-pass filter and a second rectifier means to the to said first rectifier means.

Serial No.: 10/563,432

PD030073

4. (Currently Amended) The switched mode power supply as claimed in claim 3, wherein the ~~bandpass low-pass~~ filter has a time constant which is smaller than the period of the switching frequency of the switching transistor.

5. (Currently Amended) The switched mode power supply as claimed in claim 1, wherein the control circuit is arranged in an integrated circuit, ~~and in that the integrated circuit has an oscillator, whose oscillation frequency can be set via the terminal using external circuitry.~~

6. (Cancelled).

7. (Currently Amended) The switched mode power supply as claimed in claim 6 1, wherein the secondary winding is connected via the first rectifier means to a ~~bandpass low-pass~~ filter for the purpose of generating a rectified pulsed voltage during the normal mode of operation, and in that the rectified pulsed voltage is connected via the second rectifier means and the resistor to the terminal of the control circuit.

8. (Currently Amended) The switched mode power supply as claimed in claim 2 1, wherein the first rectifier means is connected via a third rectifier means to a capacitor for the purpose of generating an operating voltage for the control circuit.

9. (Previously Presented) The switched mode power supply as claimed in claim 1, wherein the control circuit is integrated in an integrated circuit, which acts as a current mode controller and is coupled to a measurement resistor connected in series with the switching transistor.